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DNAFORM, 3-35, Mita 1-chome, Minato-ku, Tokyo 108-0073 (JP).

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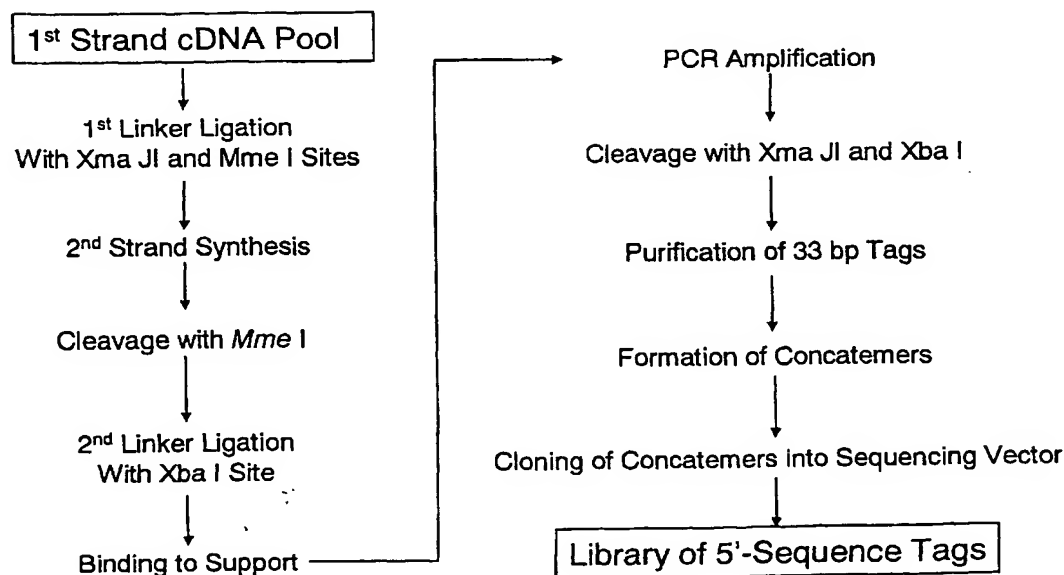
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(54) Title: METHOD OF UTILIZING THE 5'END OF TRANSCRIBED NUCLEIC ACID REGIONS FOR CLONING AND ANALYSIS



(57) Abstract: A method is disclosed for obtaining the 5'ends of transcribed regions from a plurality of nucleic acid fragments obtained from biological materials or synthetic pools. DNA fragments encoding the 5'ends are enriched for their individual analysis or for the analysis of concatemers thereof. The sequence information derived from 5' ends can be used for characterization and cloning of the transcriptome.

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SEQUENCE LISTING

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 <151> 2002-06-12
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Cys Lys Thr Ile Asp Met Glu Leu Val Lys Arg Lys Arg Ile Glu Ala

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Gln Gly Glu Val Pro Pro Gly Pro Leu Pro Glu Ala Val Leu Ala Leu 65 70 75 80		
Tyr Asn Ser Thr Arg Asp Arg Val Ala Gly Glu Ser Ala Glu Pro Glu 85 90 95		
Pro Glu Pro Glu Ala Asp Tyr Tyr Ala Lys Glu Val Thr Arg Val Leu 100 105 110		
Met Val Glu Thr His Asn Glu Ile Tyr Asp Lys Phe Lys Gln Ser Thr 115 120 125		
His Ser Ile Tyr Met Phe Phe Asn Thr Ser Glu Leu Arg Glu Ala Val 130 135 140		
Pro Glu Pro Val Leu Leu Ser Arg Ala Glu Leu Arg Leu Leu Arg Arg 145 150 155 160		
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Leu Ser Arg Gly Gly Glu Ile Glu Gly Phe Arg Leu Ser Ala His Cys 210 215 220		
Ser Cys Asp Ser Arg Asp Asn Thr Leu Gln Val Asp Ile Asn Gly Phe 225 230 235 240		
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Ser Thr Glu Lys Asn Cys Cys Val Arg Gln Leu Tyr Ile Asp Phe Arg 290 295 300		
Lys Asp Leu Gly Trp Lys Trp Ile His Glu Pro Lys Gly Tyr His Ala 305 310 315 320		

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Tyr Ser Lys Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser
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355 360 365

Tyr Tyr Val Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile
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Val Arg Ser Cys Lys Cys Ser
385 390

INTERNATIONAL SEARCH REPORT

PCT/JP 03/07514

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 02 10438 A (JOHNS HOPKINS UNIVERSITY) 7 February 2002 (2002-02-07) cited in the application the whole document see especially: page 4, paragraphs 12,13 page 10, paragraph 31 page 12, paragraph 34 page 14, paragraph 39 -page 15, paragraph 41 page 16, paragraph 43 page 19, paragraph 54 -page 20, paragraph 56 page 25 -page 42; examples 1-5 page 43 -page 60; claims 1-64,75-113 page 61 -page 62; figure 1</p> <p style="text-align: center;">-/-</p>	<p>1-6, 8-16, 26-55</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

25 February 2004

Date of mailing of the international search report

03/03/2004

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Fuchs, U

INTERNATIONAL SEARCH REPORT

PCT/JP 03/07514

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T	SHIRAKI, T. ET AL.: "Cap analysis gene expression for high-throughput analysis of transcriptional starting point and identification of promoter usage" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 100, no. 26, 23 December 2003 (2003-12-23), pages 15776-15781, XP001161070 the whole document	1-55

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International Application No

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